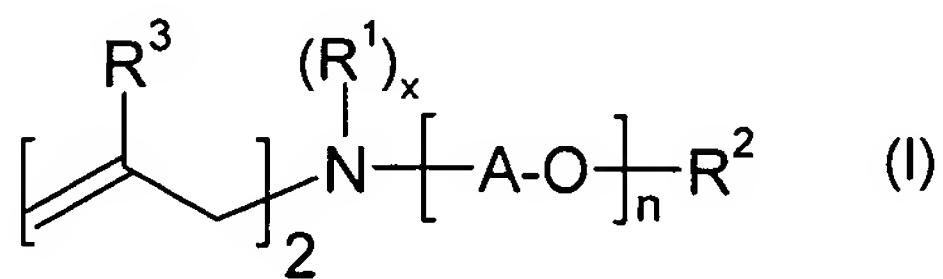


**AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A polymer comprising, as monomeric building blocks,

a) at least one diallylamine of the general formula I (monomer A) in neutral or quaternized form



where

A-O is C<sub>1</sub>-C<sub>12</sub>-alkylene oxide, styrene oxide or any mixtures thereof,

n is an integer from 2 to 200,

x is 0 or 1,

R<sup>1</sup> is hydrogen, C<sub>1</sub>- to C<sub>20</sub>-alkyl, C<sub>2</sub>- to C<sub>20</sub>-alkenyl, C<sub>5</sub>- to C<sub>10</sub>-cycloalkyl or an optionally substituted benzyl radical,

R<sup>2</sup> is hydrogen, C<sub>1</sub>- to C<sub>30</sub>-alkyl, C<sub>5</sub>- to C<sub>8</sub>-cycloalkyl, C<sub>6</sub>- to C<sub>20</sub>-aryl, C<sub>1</sub>- to C<sub>30</sub>-alkanoyl, C<sub>7</sub>- to C<sub>21</sub>-aroyl, sulfuric (half-)esters, phosphoric esters, amino or ammonium, and

R<sup>3</sup> may be identical or different and is hydrogen, C<sub>1</sub>- to C<sub>20</sub>-alkyl, C<sub>2</sub>- to C<sub>20</sub>-alkenyl, C<sub>5</sub>- to C<sub>10</sub>-cycloalkyl C<sub>10</sub>-cycloalkyl or aryl,

b) at least one ethylenically unsaturated monomer (monomer B) chosen from the group consisting of

i. N-vinylactams,

ii. N-vinylamides,

iii. N-vinylimidazoles,

iv. N,N-diallylamines different from monomer A, and any mixtures of these monomers or salts thereof,

- c) if appropriate one or more ethylenically unsaturated monomers C, and
- d) if appropriate at least one crosslinker.

2. (Previously Presented) The polymer according to claim 1, where monomer B is N-vinylcaprolactam or N-vinylpyrrolidone.

3. (Currently Amended) The polymer according to ~~at least one of claims~~ claim 1 to 2, where the weight-average molecular weight  $M_w$  of the polymer is in the range from 1000 to 2 000 000.

4. (Currently Amended) The polymer according to ~~at least one of claims~~ claim 1 to 3, where the polymer has a K value of from 20 to 120.

5. (Currently Amended) The polymer according to ~~at least one of claims~~ claim 1 to 4, where the monomer mixture to be polymerized comprises

- a. 1-95 mol % of monomer A
- b. 5-99 mol % of monomer B and
- c. 0-50 mol % of monomer C.

6. (Currently Amended) The polymer according to ~~one of claims~~ claim 1 to 5, where the polymer comprises 0.01 to 5% by weight of crosslinkers, based on the total amount of the monomers A, B and C.

7. The polymer according to ~~one of claims~~ claim 1 to 6, where the polymer is soluble or dispersible in water.

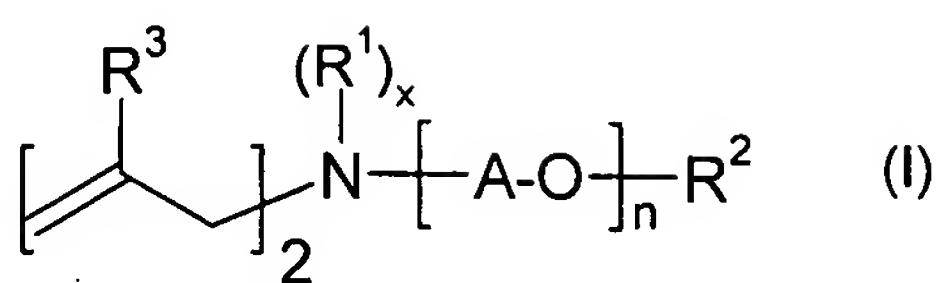
8. (Currently Amended) A process for the preparation of the polymers according to ~~one of claims~~ claim 1 to 7, wherein the monomers A and B and optionally C and optionally a crosslinker are free-radically polymerized.

9. (Currently Amended) A cosmetic preparation comprising polymers according to ~~one of claims~~ claim 1 to 7 and further additives customary in cosmetics.

10. (Currently Amended) A hair care composition comprising polymers according to ~~one of claims~~ claim 1 to 7 and further additives customary in hair care.

11. (Currently Amended) The use of polymers comprising, as monomeric building blocks,

- a) at least one diallylamine of the general formula I (monomer A) in neutral or quaternized form



where

$\text{A-O}$  is  $\text{C}_1\text{-C}_{12}$ -alkylene oxide, styrene oxide or any mixtures thereof,

$n$  is an integer from 2 to 200,

$x$  is 0 or 1,

$\text{R}^1$  is hydrogen,  $\text{C}_1$ - to  $\text{C}_{20}$ -alkyl,  $\text{C}_2$ - to  $\text{C}_{20}$ -alkenyl,  $\text{C}_5$ - to  $\text{C}_{10}$ -cycloalkyl or an optionally substituted benzyl radical,

$\text{R}^2$  is hydrogen,  $\text{C}_1$ - to  $\text{C}_{30}$ -alkyl,  $\text{C}_5$ - to  $\text{C}_8$ -cycloalkyl,  $\text{C}_6$ - to  $\text{C}_{20}$ -aryl,  $\text{C}_1$ - to  $\text{C}_{30}$ -alkanoyl,  $\text{C}_7$ - to  $\text{C}_{21}$ -aroyl, sulfuric (half-)esters, phosphoric esters, amino or ammonium, and

$\text{R}^3$  may be identical or different and is hydrogen,  $\text{C}_1$ - to  $\text{C}_{20}$ -alkyl,  $\text{C}_2$ - to  $\text{C}_{20}$ -alkenyl,  $\text{C}_5$ - to  $\text{C}_{10}$ -cycloalkyl or aryl,

- b) if appropriate one or more ethylenically unsaturated monomers C, and
- c) if appropriate at least one crosslinker in cosmetic or dermatological preparations.

12. (Currently Amended) The use according to claim 11, where, as component b), at least one ethylenically unsaturated monomer ~~chosen~~ is selected from the group consisting of

- i. N-vinylactams,
- ii. N-vinylamides,
- iii. N-vinylimidazoles, and
- iv. N,N-diallylamines different from monomer A, and any mixtures of these monomers or salts thereof, is present, in cosmetic preparations or as hair care compositions.

13. (Previously Presented) A cosmetic composition comprising polymers as defined in claim 12 and further additives customary in cosmetics.

14. (Newly added) The polymer according to claim 2, where the weight-average molecular weight  $M_w$  of the polymer is in the range from 1000 to 2 000 000.

15. (Newly added) The polymer according to claim 2, where the polymer has a K value of from 20 to 120.

16. (Newly added) The polymer according to claim 2, where the monomer mixture to be polymerized comprises

- a. 1-95 mol % of monomer A
- b. 5-99 mol % of monomer B and
- c. 0-50 mol % of monomer C.

17. (Newly added) The polymer according to claim 2, where the polymer comprises 0.01 to 5% by weight of crosslinkers, based on the total amount of the monomers A, B and C.

18. (Newly added) The polymer according to claim 3, where the polymer has a K value of from 20 to 120.

19. (Newly added) The polymer according to claim 3, where the monomer mixture to be polymerized comprises

- a. 1-95 mol % of monomer A
- b. 5-99 mol % of monomer B and
- c. 0-50 mol % of monomer C.

20 (Newly added) The polymer according to claim 4, where the monomer mixture to be polymerized comprises

- a. 1-95 mol % of monomer A
- b. 5-99 mol % of monomer B and
- c. 0-50 mol % of monomer C.